

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT				
<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER Roberts I-21-8-17				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) FEE			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Wade J. Price						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') Rt 3 Box 3654, Myton, UT 84052						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL	FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE	1996 FNL 2128 FEL		SWNE	21	8.0 S	17.0 E	S			
Top of Uppermost Producing Zone	1298 FNL 2074 FEL		NWNE	21	8.0 S	17.0 E	S			
At Total Depth	766 FNL 1126 FEL		NENE	21	8.0 S	17.0 E	S			
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 766		23. NUMBER OF ACRES IN DRILLING UNIT 20					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1453		26. PROPOSED DEPTH MD: 6790 TVD: 6570					
27. ELEVATION - GROUND LEVEL 5216			28. BOND NUMBER B001834		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478					
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	12.25	8.625	0 - 600	24.0	J-55 ST&C	8.3	Class G	275	1.17	15.8
PROD	7.875	5.5	0 - 6790	15.5	J-55 LT&C	8.3	Premium Lite High Strength	331	3.43	11.0
							50/50 Poz	363	1.24	14.4
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Mandie Crozier				TITLE Regulatory Tech			PHONE 435 646-4825			
SIGNATURE				DATE 01/10/2013			EMAIL mcrozier@newfield.com			
API NUMBER ASSIGNED 43013519730000				APPROVAL  Permit Manager						

NEWFIELD PRODUCTION COMPANY  
ROBERTS I-21-8-17  
AT SURFACE: SW/NE SECTION 21, T8S R17E  
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1870'
Green River	1870'
Wasatch	6820'
<b>Proposed TD</b>	<b>6790'</b>

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil)      1870' – 6820'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO <sub>3</sub> ) (mg/l)
Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

#### 4. **PROPOSED CASING PROGRAM**

##### a. Casing Design: ROBERTS I-21-8-17

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	600'	24.0	J-55	STC	2,950 8.76	1,370 7.18	244,000 16.94
Prod casing 5-1/2"	0'	6,790'	15.5	J-55	LTC	4,810 2.23	4,040 1.87	217,000 2.06

##### Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg  
 Pore pressure at surface casing shoe = 8.33 ppg  
 Pore pressure at prod casing shoe = 8.33 ppg  
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

##### b. Cementing Design: ROBERTS I-21-8-17

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
			ft <sup>3</sup>			
Surface casing	600'	Class G w/ 2% CaCl	275 322	30%	15.8	1.17
Prod casing Lead	4,790'	Prem Lite II w/ 10% gel + 3% KCl	331 1079	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

\*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

#### 5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to  $\pm 300$  feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about  $\pm 300$  feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

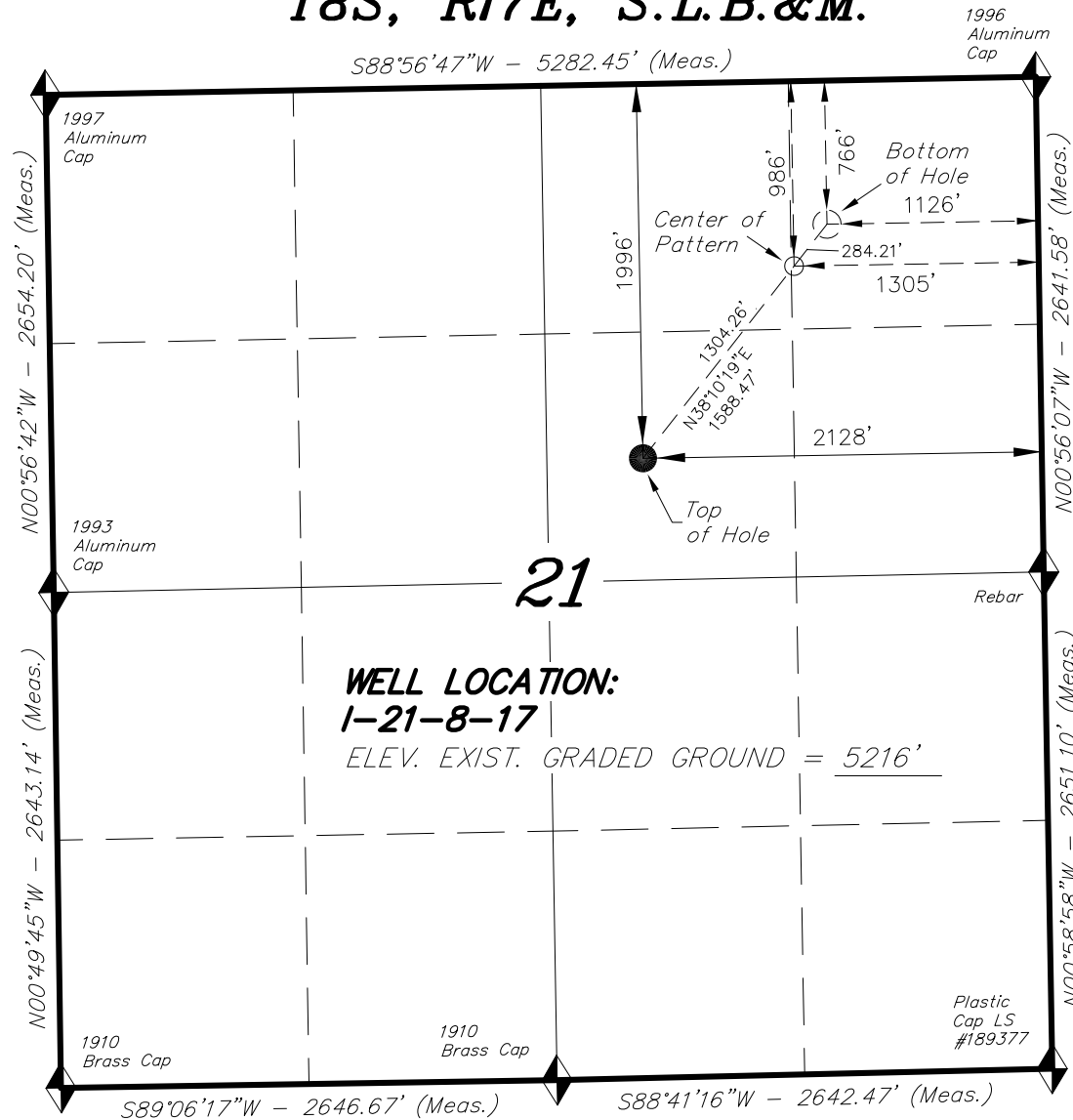
No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the third quarter of 2013, and take approximately seven (7) days from spud to rig release.

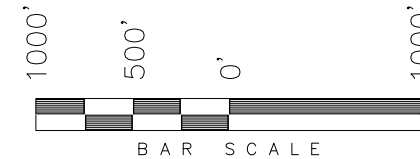
**T8S, R17E, S.L.B.&M.**



**NEWFIELD EXPLORATION COMPANY**

WELL LOCATION, I-21-8-17, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 21, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

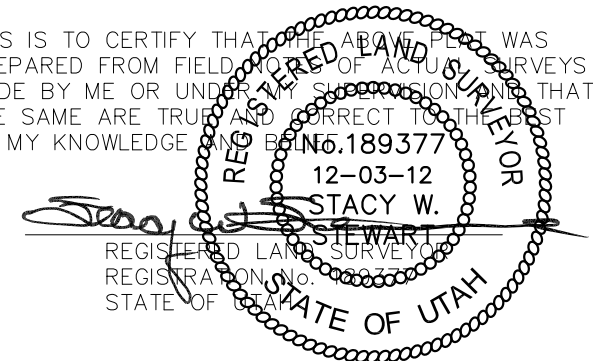
TARGET BOTTOM HOLE, I-21-8-17, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 21, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT.  $40^{\circ}04'09.56''$  LONG.  $110^{\circ}00'43.28''$  (Tristate Aluminum Cap) Elev. 5281.57'

<b>NAD 83 (SURFACE LOCATION)</b>	
LATITUDE = $40^{\circ}06'18.96''$	
LONGITUDE = $110^{\circ}00'34.60''$	
<b>NAD 27 (SURFACE LOCATION)</b>	
LATITUDE = $40^{\circ}06'19.10''$	
LONGITUDE = $110^{\circ}00'32.06''$	
<b>NAD 83 (CENTER OF PATTERN)</b>	<b>NAD 83 (BOTTOM HOLE LOCATION)</b>
LATITUDE = $40^{\circ}06'28.96''$	LATITUDE = $40^{\circ}06'31.14''$
LONGITUDE = $110^{\circ}00'24.01''$	LONGITUDE = $110^{\circ}00'21.70''$
<b>NAD 27 (CENTER OF PATTERN)</b>	<b>NAD 27 (BOTTOM HOLE LOCATION)</b>
LATITUDE = $40^{\circ}06'29.10''$	LATITUDE = $40^{\circ}06'31.27''$
LONGITUDE = $110^{\circ}00'21.47''$	LONGITUDE = $110^{\circ}00'19.16''$

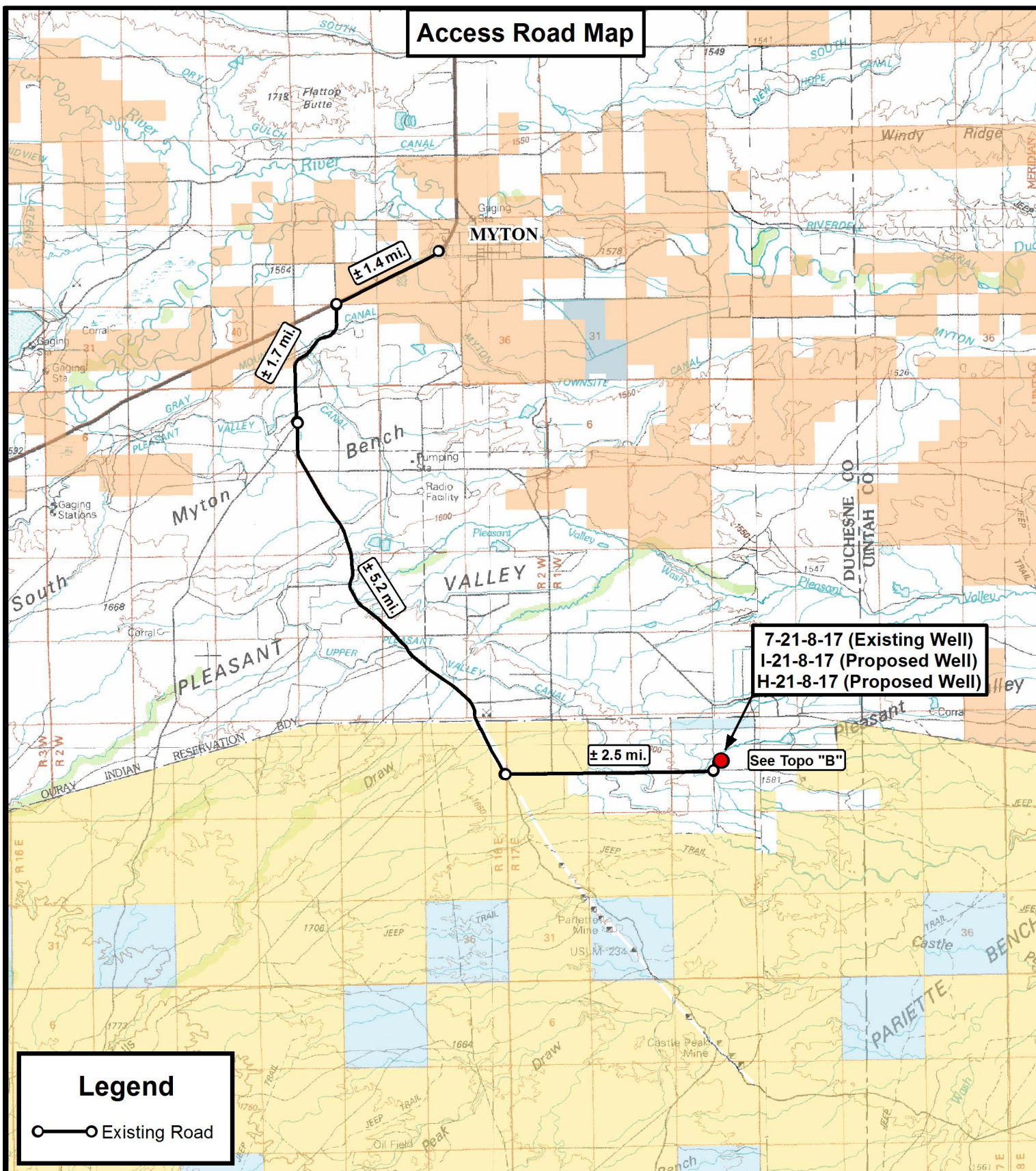
**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 11-30-12	SURVEYED BY: C.S.	VERSION:
DATE DRAWN: 12-03-12	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	

RECEIVED: January 10, 2013

## Access Road Map



180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518**NEWFIELD EXPLORATION COMPANY**

7-21-8-17 (Existing Well)  
 I-21-8-17 (Proposed Well)  
 H-21-8-17 (Proposed Well)  
 SEC. 21, T8S, R17E, S.L.B.&M. Duchesne County, UT.

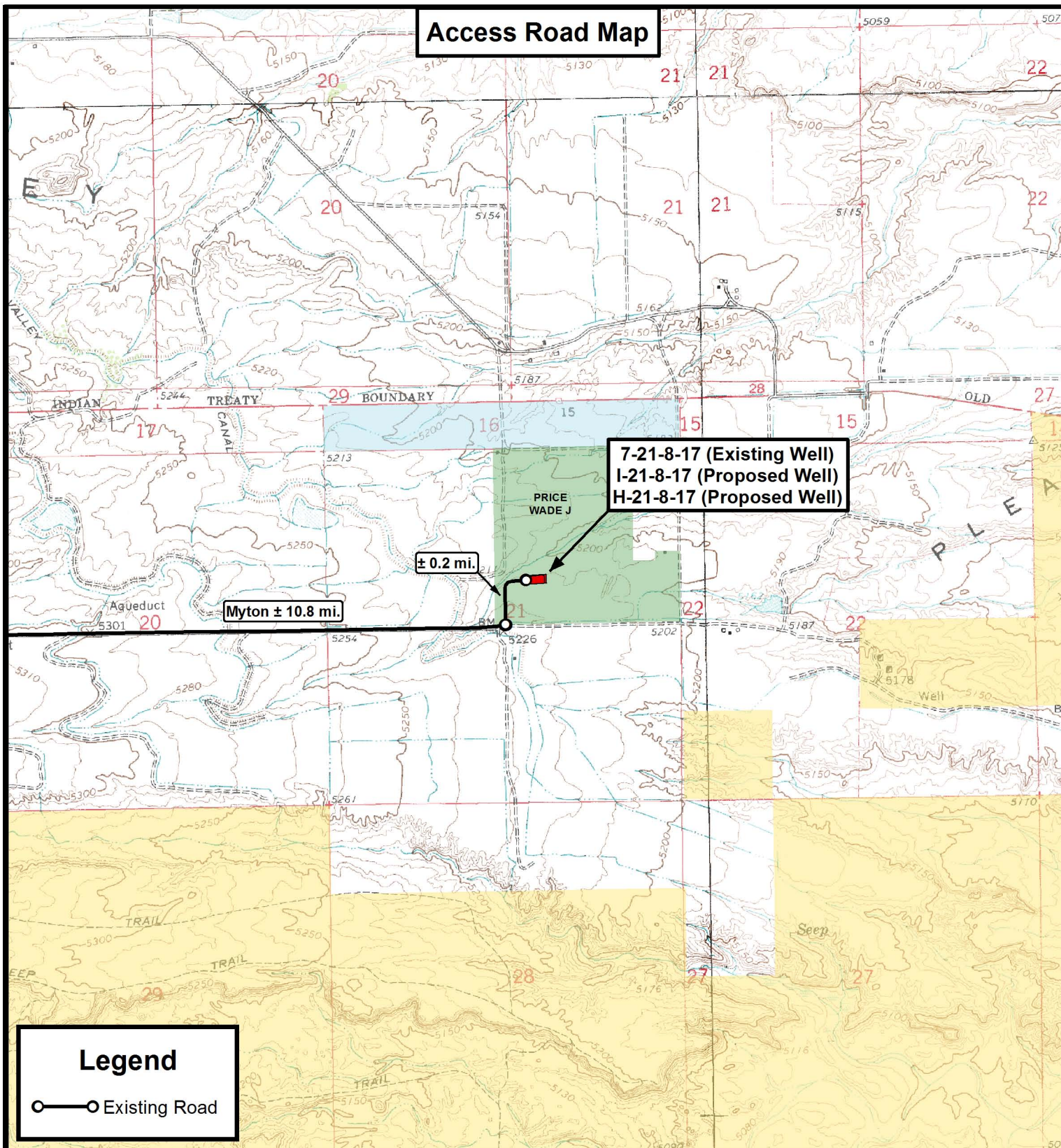
DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	12-04-2012		V1
SCALE:	1:100,000		

**TOPOGRAPHIC MAP**

SHEET

**A**

## Access Road Map



## Legend

Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518

**NEWFIELD EXPLORATION COMPANY**

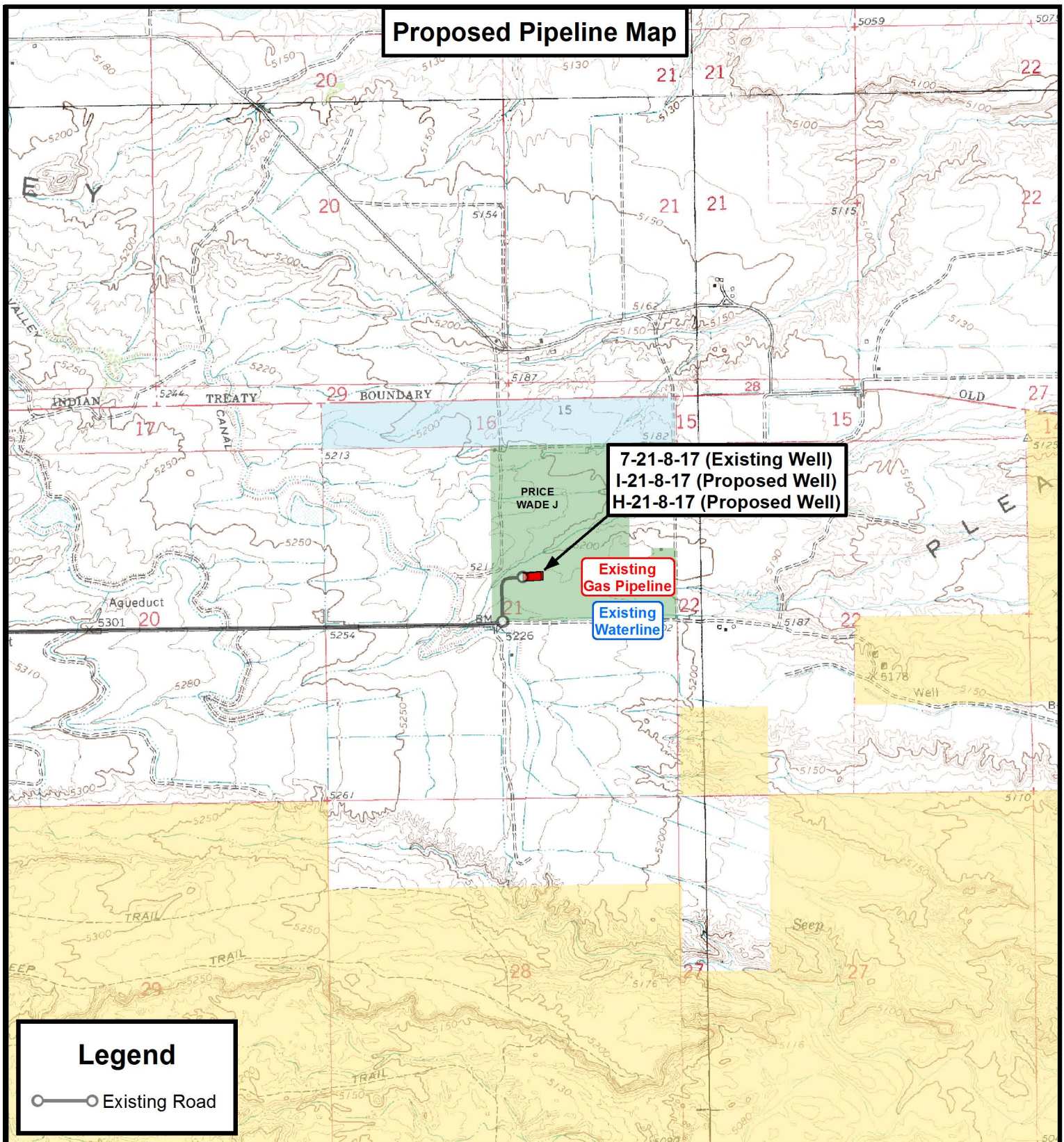

7-21-8-17 (Existing Well)  
I-21-8-17 (Proposed Well)  
H-21-8-17 (Proposed Well)  
SEC. 21, T8S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	12-04-2012		V1
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET

**B**

**Proposed Pipeline Map****Legend**
 Existing Road

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7-21-8-17 (Existing Well)

I-21-8-17 (Proposed Well)

H-21-8-17 (Proposed Well)

SEC. 21, T8S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	12-04-2012		<b>V1</b>
SCALE:	1" = 2,000'		

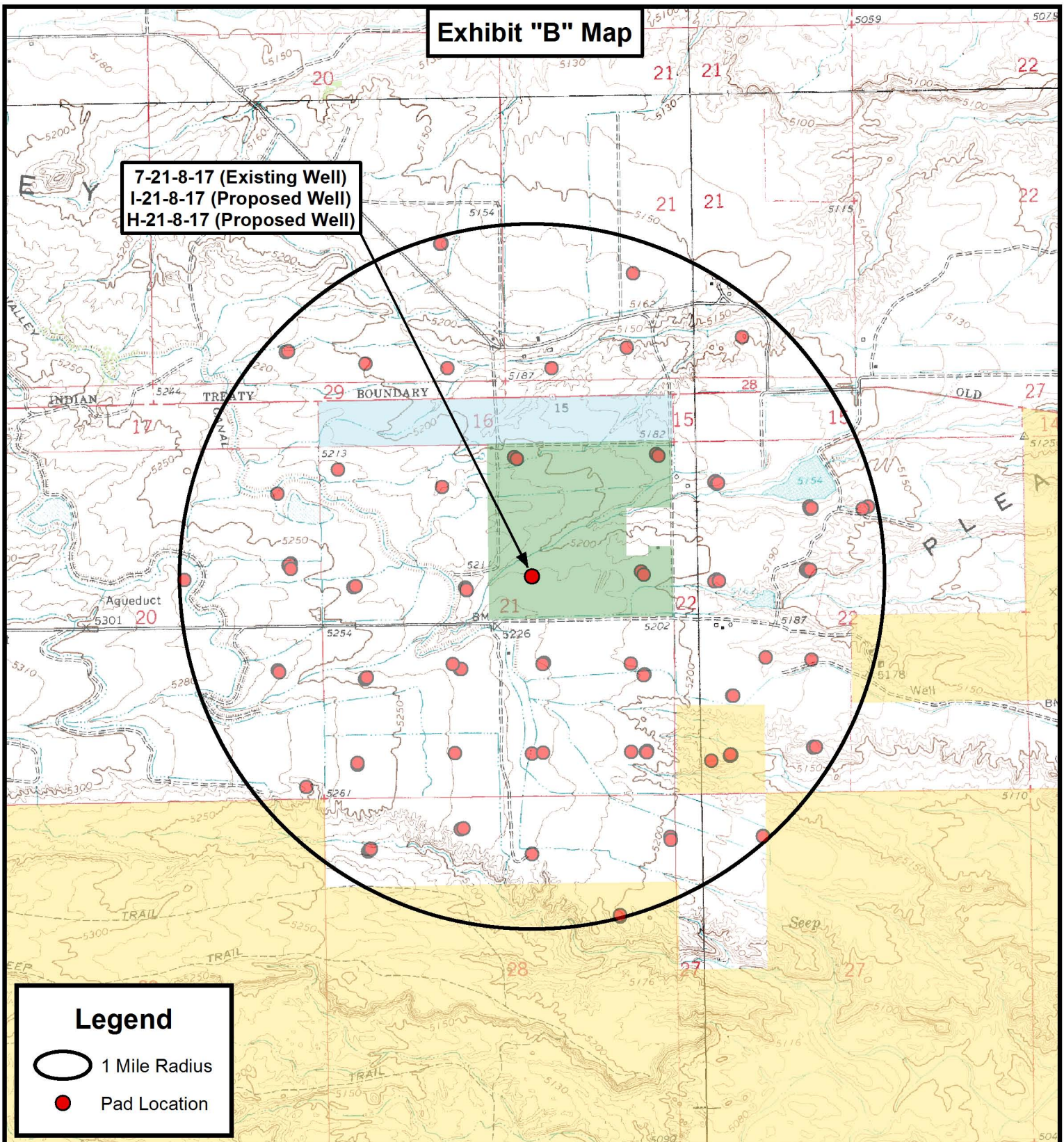
**TOPOGRAPHIC MAP**

SHEET

**C**

**Exhibit "B" Map**

7-21-8-17 (Existing Well)  
 I-21-8-17 (Proposed Well)  
 H-21-8-17 (Proposed Well)



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**NEWFIELD EXPLORATION COMPANY**

7-21-8-17 (Existing Well)  
 I-21-8-17 (Proposed Well)  
 H-21-8-17 (Proposed Well)  
 SEC. 21, T8S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	12-04-2012		<b>V1</b>
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET

**D**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 21 T8S, R17E  
I-21-8-17**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**03 December, 2012**





# Payzone Directional Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well I-21-8-17
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	I-21-8-17 @ 5228.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	I-21-8-17 @ 5228.0ft (Original Well Elev)
<b>Site:</b>	SECTION 21 T8S, R17E	<b>North Reference:</b>	True
<b>Well:</b>	I-21-8-17	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	SECTION 21 T8S, R17E			
<b>Site Position:</b>		<b>Northing:</b>	7,210,000.00 ft	<b>Latitude:</b> 40° 6' 13.990 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,055,000.00 ft	<b>Longitude:</b> 110° 1' 3.925 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b> 0.95 °

<b>Well</b>	I-21-8-17, SHL LAT: 40 06 18.96 LONG: -110 00 34.60			
<b>Well Position</b>	<b>+N/-S</b>	502.8 ft	<b>Northing:</b>	7,210,540.65 ft
	<b>+E/-W</b>	2,278.5 ft	<b>Easting:</b>	2,057,269.78 ft
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,228.0 ft
			<b>Ground Level:</b>	5,216.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	12/3/2012	11.11	65.82	52,168

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	38.17

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,688.6	16.33	38.17	1,673.9	121.1	95.2	1.50	1.50	3.51	38.17	
5,779.7	16.33	38.17	5,600.0	1,025.4	806.1	0.00	0.00	0.00	0.00	I-21-8-17 TGT
6,790.5	16.33	38.17	6,570.0	1,248.8	981.7	0.00	0.00	0.00	0.00	



## Payzone Directional

## Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well I-21-8-17
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	I-21-8-17 @ 5228.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	I-21-8-17 @ 5228.0ft (Original Well Elev)
<b>Site:</b>	SECTION 21 T8S, R17E	<b>North Reference:</b>	True
<b>Well:</b>	I-21-8-17	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	38.17	700.0	1.0	0.8	1.3	1.50	1.50	0.00
800.0	3.00	38.17	799.9	4.1	3.2	5.2	1.50	1.50	0.00
900.0	4.50	38.17	899.7	9.3	7.3	11.8	1.50	1.50	0.00
1,000.0	6.00	38.17	999.3	16.5	12.9	20.9	1.50	1.50	0.00
1,100.0	7.50	38.17	1,098.6	25.7	20.2	32.7	1.50	1.50	0.00
1,200.0	9.00	38.17	1,197.5	37.0	29.1	47.0	1.50	1.50	0.00
1,300.0	10.50	38.17	1,296.1	50.3	39.5	64.0	1.50	1.50	0.00
1,400.0	12.00	38.17	1,394.2	65.6	51.6	83.5	1.50	1.50	0.00
1,500.0	13.50	38.17	1,491.7	83.0	65.2	105.5	1.50	1.50	0.00
1,600.0	15.00	38.17	1,588.6	102.3	80.4	130.2	1.50	1.50	0.00
1,688.6	16.33	38.17	1,673.9	121.1	95.2	154.1	1.50	1.50	0.00
1,700.0	16.33	38.17	1,684.9	123.6	97.2	157.3	0.00	0.00	0.00
1,800.0	16.33	38.17	1,780.8	145.7	114.6	185.4	0.00	0.00	0.00
1,900.0	16.33	38.17	1,876.8	167.9	132.0	213.5	0.00	0.00	0.00
2,000.0	16.33	38.17	1,972.8	190.0	149.3	241.6	0.00	0.00	0.00
2,100.0	16.33	38.17	2,068.7	212.1	166.7	269.7	0.00	0.00	0.00
2,200.0	16.33	38.17	2,164.7	234.2	184.1	297.9	0.00	0.00	0.00
2,300.0	16.33	38.17	2,260.7	256.3	201.5	326.0	0.00	0.00	0.00
2,400.0	16.33	38.17	2,356.6	278.4	218.8	354.1	0.00	0.00	0.00
2,500.0	16.33	38.17	2,452.6	300.5	236.2	382.2	0.00	0.00	0.00
2,600.0	16.33	38.17	2,548.6	322.6	253.6	410.3	0.00	0.00	0.00
2,700.0	16.33	38.17	2,644.5	344.7	271.0	438.4	0.00	0.00	0.00
2,800.0	16.33	38.17	2,740.5	366.8	288.3	466.5	0.00	0.00	0.00
2,900.0	16.33	38.17	2,836.5	388.9	305.7	494.7	0.00	0.00	0.00
3,000.0	16.33	38.17	2,932.4	411.0	323.1	522.8	0.00	0.00	0.00
3,100.0	16.33	38.17	3,028.4	433.1	340.5	550.9	0.00	0.00	0.00
3,200.0	16.33	38.17	3,124.4	455.2	357.8	579.0	0.00	0.00	0.00
3,300.0	16.33	38.17	3,220.3	477.3	375.2	607.1	0.00	0.00	0.00
3,400.0	16.33	38.17	3,316.3	499.4	392.6	635.2	0.00	0.00	0.00
3,500.0	16.33	38.17	3,412.3	521.5	410.0	663.3	0.00	0.00	0.00
3,600.0	16.33	38.17	3,508.2	543.6	427.3	691.5	0.00	0.00	0.00
3,700.0	16.33	38.17	3,604.2	565.7	444.7	719.6	0.00	0.00	0.00
3,800.0	16.33	38.17	3,700.2	587.8	462.1	747.7	0.00	0.00	0.00
3,900.0	16.33	38.17	3,796.1	609.9	479.5	775.8	0.00	0.00	0.00
4,000.0	16.33	38.17	3,892.1	632.0	496.8	803.9	0.00	0.00	0.00
4,100.0	16.33	38.17	3,988.1	654.1	514.2	832.0	0.00	0.00	0.00
4,200.0	16.33	38.17	4,084.0	676.2	531.6	860.1	0.00	0.00	0.00
4,300.0	16.33	38.17	4,180.0	698.3	549.0	888.3	0.00	0.00	0.00
4,400.0	16.33	38.17	4,276.0	720.4	566.3	916.4	0.00	0.00	0.00
4,500.0	16.33	38.17	4,371.9	742.5	583.7	944.5	0.00	0.00	0.00
4,600.0	16.33	38.17	4,467.9	764.6	601.1	972.6	0.00	0.00	0.00
4,700.0	16.33	38.17	4,563.9	786.7	618.5	1,000.7	0.00	0.00	0.00
4,800.0	16.33	38.17	4,659.8	808.8	635.8	1,028.8	0.00	0.00	0.00
4,900.0	16.33	38.17	4,755.8	830.9	653.2	1,056.9	0.00	0.00	0.00
5,000.0	16.33	38.17	4,851.8	853.0	670.6	1,085.1	0.00	0.00	0.00
5,100.0	16.33	38.17	4,947.7	875.1	688.0	1,113.2	0.00	0.00	0.00
5,200.0	16.33	38.17	5,043.7	897.2	705.3	1,141.3	0.00	0.00	0.00



## Payzone Directional

## Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well I-21-8-17
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	I-21-8-17 @ 5228.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	I-21-8-17 @ 5228.0ft (Original Well Elev)
<b>Site:</b>	SECTION 21 T8S, R17E	<b>North Reference:</b>	True
<b>Well:</b>	I-21-8-17	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	16.33	38.17	5,139.7	919.3	722.7	1,169.4	0.00	0.00	0.00
5,400.0	16.33	38.17	5,235.6	941.4	740.1	1,197.5	0.00	0.00	0.00
5,500.0	16.33	38.17	5,331.6	963.5	757.5	1,225.6	0.00	0.00	0.00
5,600.0	16.33	38.17	5,427.6	985.6	774.8	1,253.7	0.00	0.00	0.00
5,700.0	16.33	38.17	5,523.5	1,007.7	792.2	1,281.9	0.00	0.00	0.00
5,779.7	16.33	38.17	5,600.0	1,025.4	806.1	1,304.3	0.00	0.00	0.00
5,800.0	16.33	38.17	5,619.5	1,029.8	809.6	1,310.0	0.00	0.00	0.00
5,900.0	16.33	38.17	5,715.5	1,051.9	827.0	1,338.1	0.00	0.00	0.00
6,000.0	16.33	38.17	5,811.4	1,074.1	844.3	1,366.2	0.00	0.00	0.00
6,100.0	16.33	38.17	5,907.4	1,096.2	861.7	1,394.3	0.00	0.00	0.00
6,200.0	16.33	38.17	6,003.4	1,118.3	879.1	1,422.4	0.00	0.00	0.00
6,300.0	16.33	38.17	6,099.3	1,140.4	896.5	1,450.5	0.00	0.00	0.00
6,400.0	16.33	38.17	6,195.3	1,162.5	913.8	1,478.7	0.00	0.00	0.00
6,500.0	16.33	38.17	6,291.3	1,184.6	931.2	1,506.8	0.00	0.00	0.00
6,600.0	16.33	38.17	6,387.2	1,206.7	948.6	1,534.9	0.00	0.00	0.00
6,700.0	16.33	38.17	6,483.2	1,228.8	966.0	1,563.0	0.00	0.00	0.00
6,790.5	16.33	38.17	6,570.0	1,248.8	981.7	1,588.4	0.00	0.00	0.00

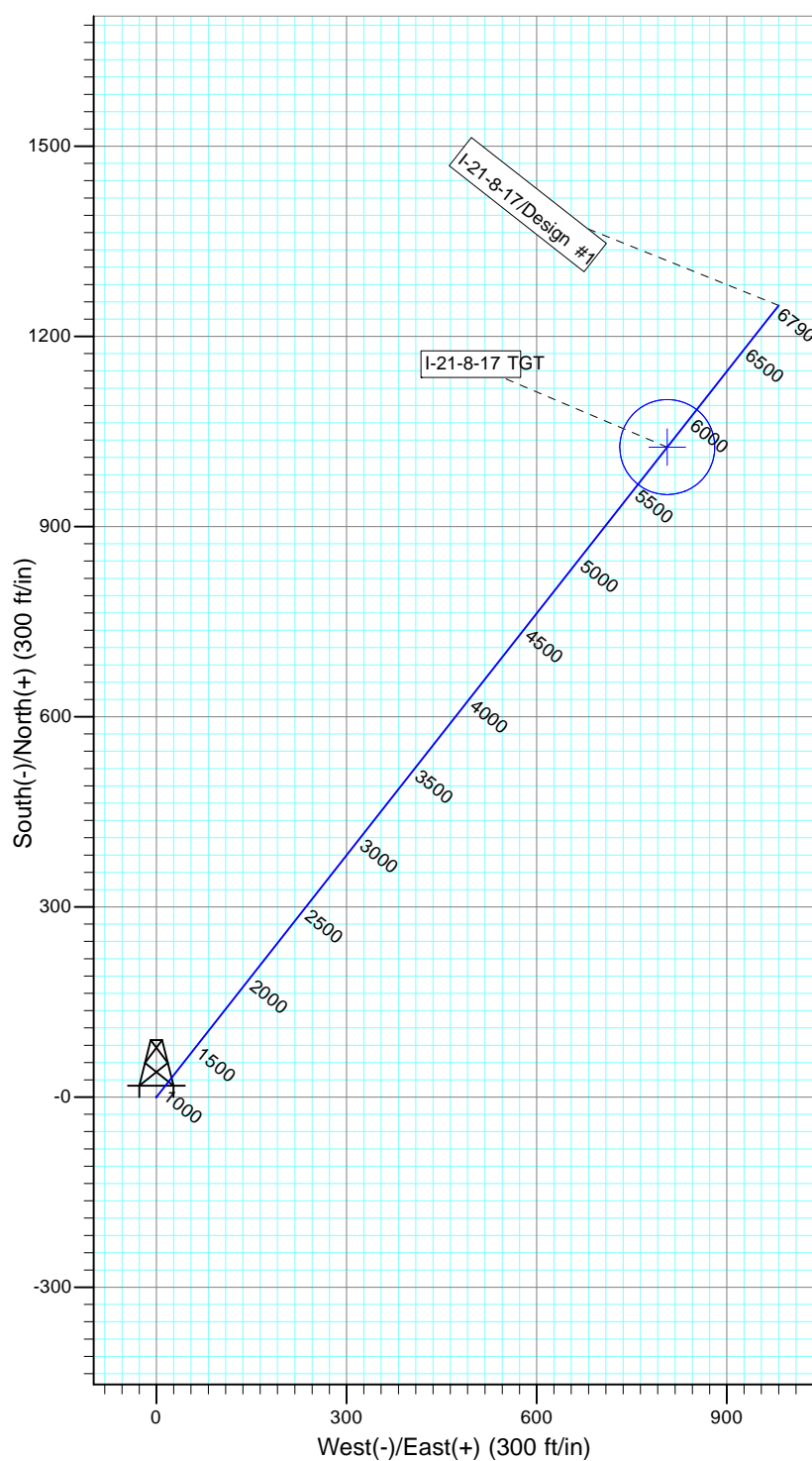
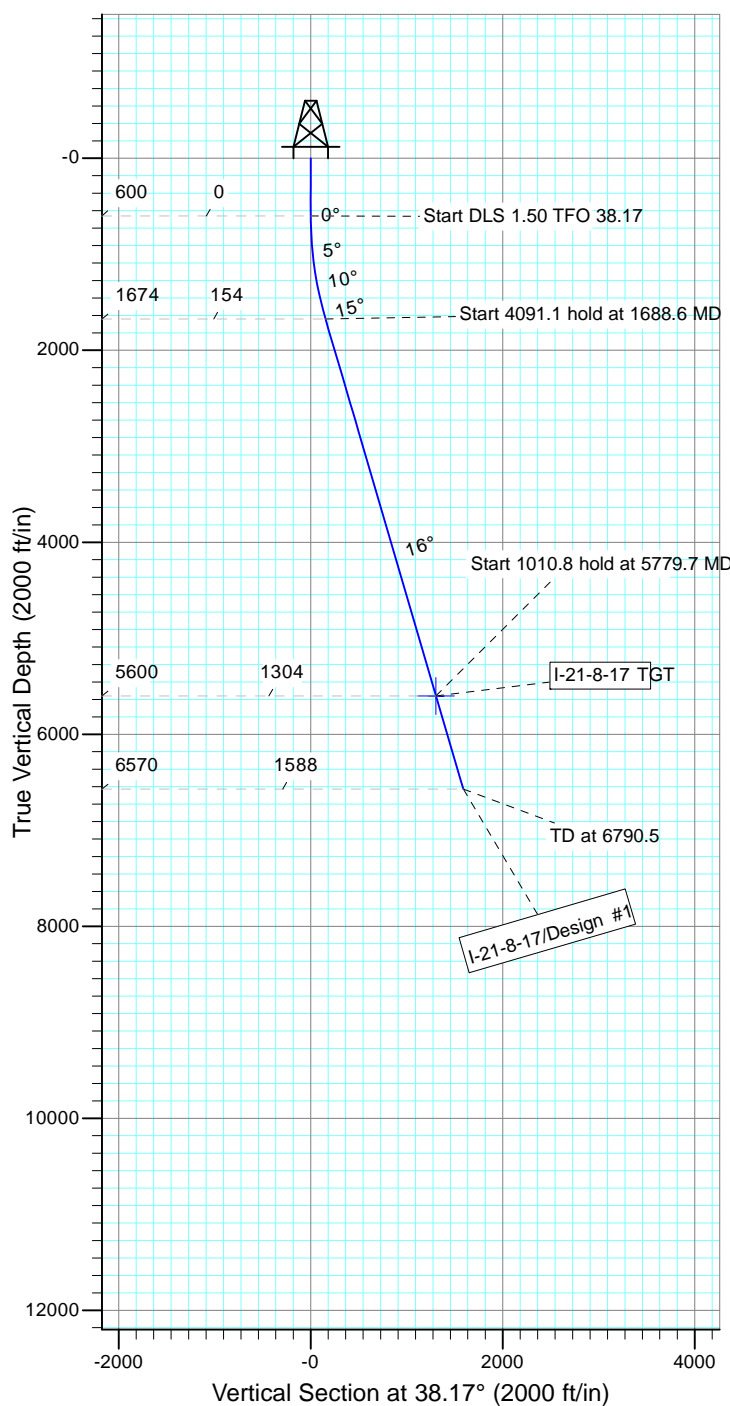


Project: USGS Myton SW (UT)  
 Site: SECTION 21 T8S, R17E  
 Well: I-21-8-17  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.11°

Magnetic Field  
 Strength: 52167.7snT  
 Dip Angle: 65.82°  
 Date: 12/3/2012  
 Model: IGRF2010



## WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
I-21-8-17 TGT	5600.0	1025.4	806.1	Circle (Radius: 75.0)

## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1688.6	16.33	38.17	1673.9	121.1	95.2	1.50	38.17	154.1	
4	5779.7	16.33	38.17	5600.0	1025.4	806.1	0.00	0.00	1304.3	I-21-8-17 TGT
5	6790.5	16.33	38.17	6570.0	1248.8	981.7	0.00	0.00	1588.4	



**NEWFIELD PRODUCTION COMPANY  
ROBERTS I-21-8-17  
AT SURFACE: SW/NE SECTION 21, T8S R17E  
DUCHESNE COUNTY, UTAH**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

The proposed well will be drilled directionally off of the existing 7-21-8-17 well pad.

**1. EXISTING ROADS**

- a) To reach Newfield Production Company well location site Roberts I-21-8-17, proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 6.9 miles  $\pm$  to it's junction with an existing road to the east; proceed in a easterly direction – 2.5 miles  $\pm$  to it's junction with an existing road to the north; proceed in a northwesterly direction – 0.2 miles  $\pm$  to the existing 7-21-8-17 well location.
- b) The proposed location is approximately 11.0 miles southeast of Roosevelt, Utah
- c) Existing native surface roads in the area range from clays to a sandy-clay shale material.
- d) Access roads will be maintained at the standards required by UDOT, Duchesne County or other controlling agencies. This maintenance will consist of some minor grader work for road surfacing and snow removal. Any necessary fill material for repair will be purchased and hauled from private sources.

**2. PLANNED ACCESS ROAD**

- a) There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 7-21-8-17 well pad. See attached Topographic Map "B".
- b) There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.
- c) There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.
- d) All construction material for this access road will be borrowed material accumulated during construction of the access road.

**3. LOCATION OF EXISTING WELLS**

- a) Refer to Topographic Map "D".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

- a) There are no existing facilities that will be utilized.
- b) It is anticipated that this well will be a producing oil well with some associated natural gas.
- c) Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.
- d) Tank batteries will be built to Federal Gold Book specifications.

- e) All permanent above-ground structures would be painted a flat, non-reflective covert green color, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation (weather permitting). Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- f) There is not new pipeline infrastructure proposed for this location. See attached Topographic Map "C".

5. **LOCATION AND TYPE OF WATER SUPPLY**

- a) Newfield Production will transport water by truck from nearest water source. The available water sources are as follows:
  - Johnson Water District (Water Right : 43-7478)
  - Maurice Harvey Pond (Water Right: 47-1358)
  - Neil Moon Pond (Water Right: 43-11787)
  - Newfield Collector Well (Water Right: 47-1817 - A30414DVA, contracted with the Duchesne County Conservancy District).

6. **SOURCE OF CONSTRUCTION MATERIALS**

- a) Construction material for this access road will be borrowed material accumulated during construction of the access road. If any additional borrow or gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

- a) A small pit (80 feet x 120 feet x 8 feet deep, or less) will be constructed inboard of the pad area. The pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM.
- b) The pit would be lined with 16 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the pit at all times.
- c) A portable toilet will be provided for human waste.
- d) A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.
- e) After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

- f) All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Newfield Production Company guarantees that during the drilling and completion of the referenced well, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the referenced well, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

8. **ANCILLARY FACILITIES**

- a) There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

- a) See attached Location Layout Sheet.

**Fencing Requirements**

- a) All pits will be fenced or have panels installed consistent with the following minimum standards:
  - 1. The wire shall be no more than two (2) inches above the ground. If barbed wire is utilized it will be installed three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
  - 2. Corner posts shall be centered and/or braced in such a manner to keep tight and upright at all times
  - 3. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- b) The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location
  - 1. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.
  - 2. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting; the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.
- b) Dry Hole Abandoned Location

1. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

**11. SURFACE OWNERSHIP**

- a) Wade J. Price.

**12. OTHER ADDITIONAL INFORMATION**

- a) Montgomery Archeological Consultants, Inc. has conducted a Class III archeological survey. State of Utah Antiquities Project Permit # U-12-MQ-1126p 12/20/12. The report has been submitted under separate cover by Montgomery Archeological Consultants, Inc. The cover page of the report has been attached to this submittal for reference. Newfield would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- b) Wade E. Miller Ph.D. Paleontological Consultant has conducted a paleontological survey. The report has been submitted under separate cover by Wade E. Miller dated 12/11/12. The cover page of the report has been attached to this submittal for reference.
- c) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On federal administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- d) A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

**13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Corie Miller  
Address: Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

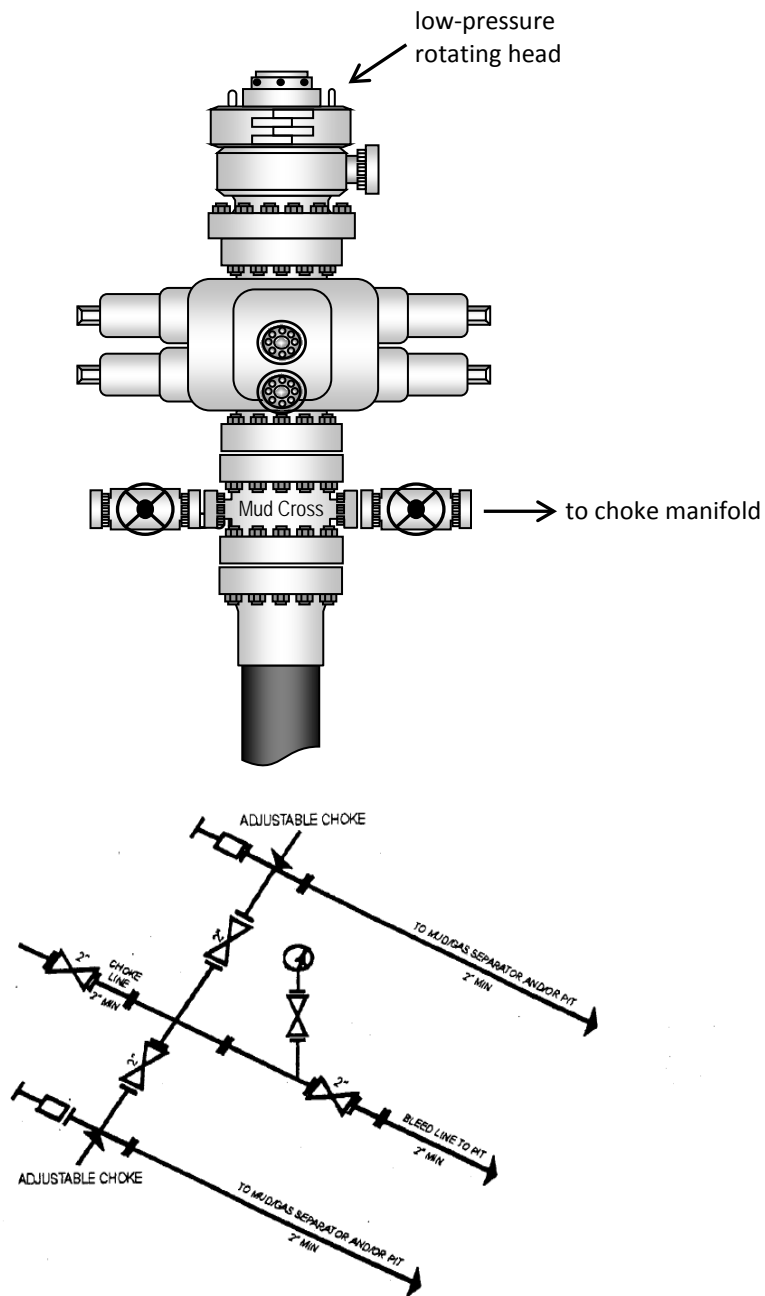
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #I-21-8-17, Section 21, Township 8S, Range 17E: Lease (Fee) Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, State Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

12/28/12  
Date

Mandie Crozier  
Regulatory Analyst  
Newfield Production Company

## Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

# NEWFIELD EXPLORATION COMPANY

## WELL PAD INTERFERENCE PLAT

7-21-8-17 (Existing Well)

I-21-8-17 (Proposed Well)

H-21-8-17 (Proposed Well)

Pad Location: SWNE Section 21, T8S, R17E, S.L.B.&M.

### CENTER OF PATTERN FOOTAGES

I-21-8-17 (PROPOSED)

986' FNL & 1305' FEL

H-21-8-17 (PROPOSED)

1384' FNL & 2681' FEL

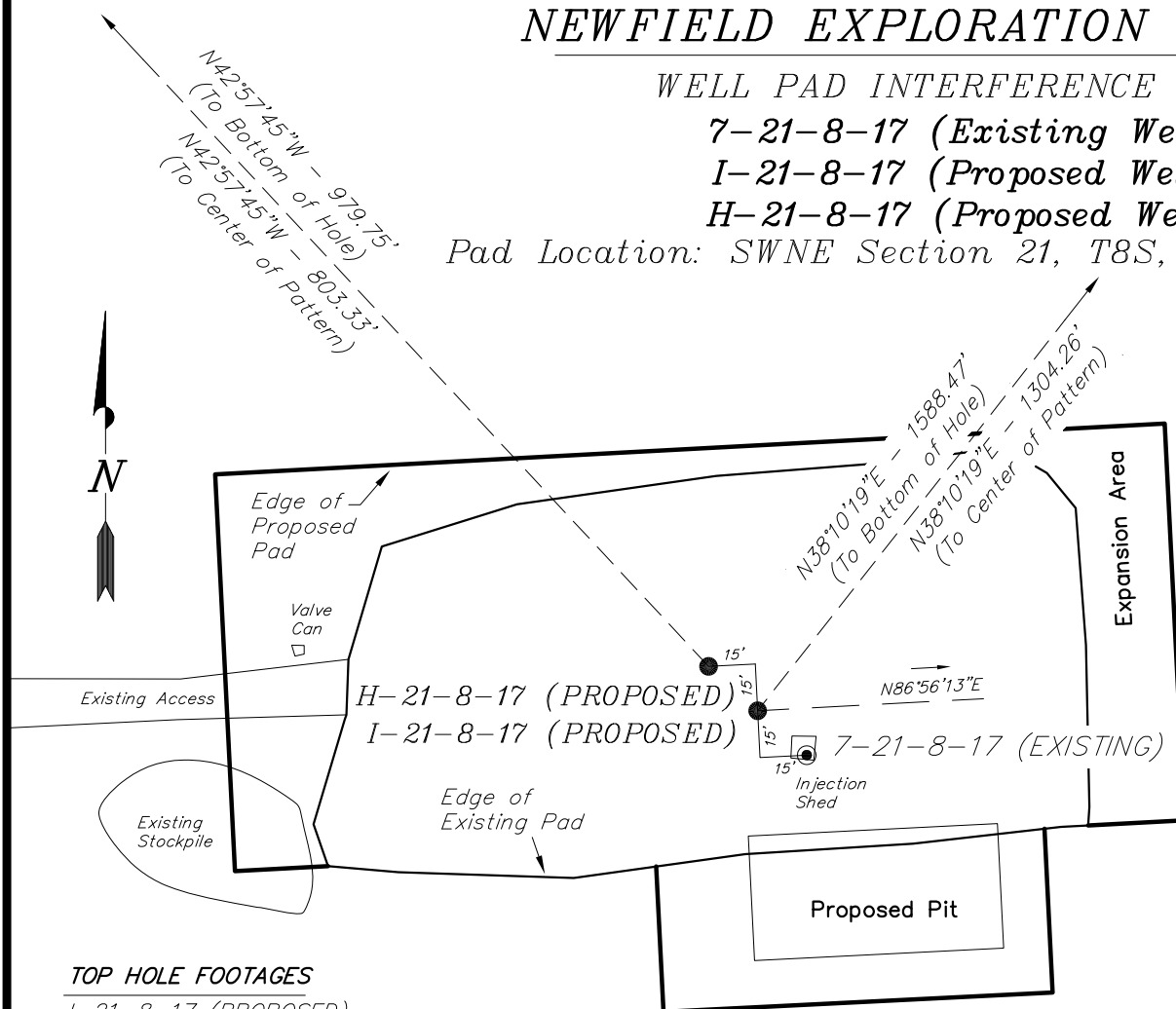
### BOTTOM HOLE FOOTAGES

I-21-8-17 (PROPOSED)

766' FNL & 1126' FEL

H-21-8-17 (PROPOSED)

1253' FNL & 2483' FEL



### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
7-21-8-17	40° 06' 18.82"	110° 00' 34.40"
I-21-8-17	40° 06' 18.96"	110° 00' 34.60"
H-21-8-17	40° 06' 19.11"	110° 00' 34.80"

### LATITUDE & LONGITUDE Center of Pattern (NAD 83)

WELL	LATITUDE	LONGITUDE
I-21-8-17	40° 06' 28.96"	110° 00' 24.01"
H-21-8-17	40° 06' 25.00"	110° 00' 41.71"

### LATITUDE & LONGITUDE Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
I-21-8-17	40° 06' 31.14"	110° 00' 21.70"
H-21-8-17	40° 06' 26.30"	110° 00' 43.23"

### RELATIVE COORDINATES From Top Hole to C.O.P.

WELL	NORTH	EAST
I-21-8-17	1,025'	806'
H-21-8-17	588'	-547'

### TOP HOLE FOOTAGES

I-21-8-17 (PROPOSED)

1996' FNL & 2128' FEL

H-21-8-17 (PROPOSED)

1982' FNL & 2143' FEL

### RELATIVE COORDINATES From Top Hole to Bottom Hole

WELL	NORTH	EAST
I-21-8-17	1,249'	982'
H-21-8-17	717'	-668'

**Note:**  
Bearings are  
based on GPS  
Observations.

SURVEYED BY: C.S.	DATE SURVEYED: 11-30-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 12-03-12	V1
SCALE: 1" = 60'	REVISED:	

**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**NEWFIELD EXPLORATION COMPANY****LOCATION LAYOUT****7-21-8-17 (Existing Well)****I-21-8-17 (Proposed Well)****H-21-8-17 (Proposed Well)****Pad Location: SWNE Section 21, T8S, R17E, S.L.B.&M.****TOPSOIL STOCKPILE**

Approx. Height Dim. = 4' Max  
 Approx. Area = 4,687 Sq. Ft.  
 ±510 Cu. Yds.

DISTURBANCE  
BOUNDARY

STA. 3+05

Proposed Expansion  
 Area Required  
 (0.266 Acres)

STA. 2+30

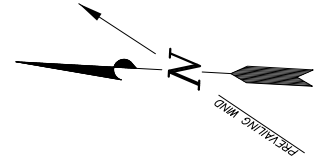
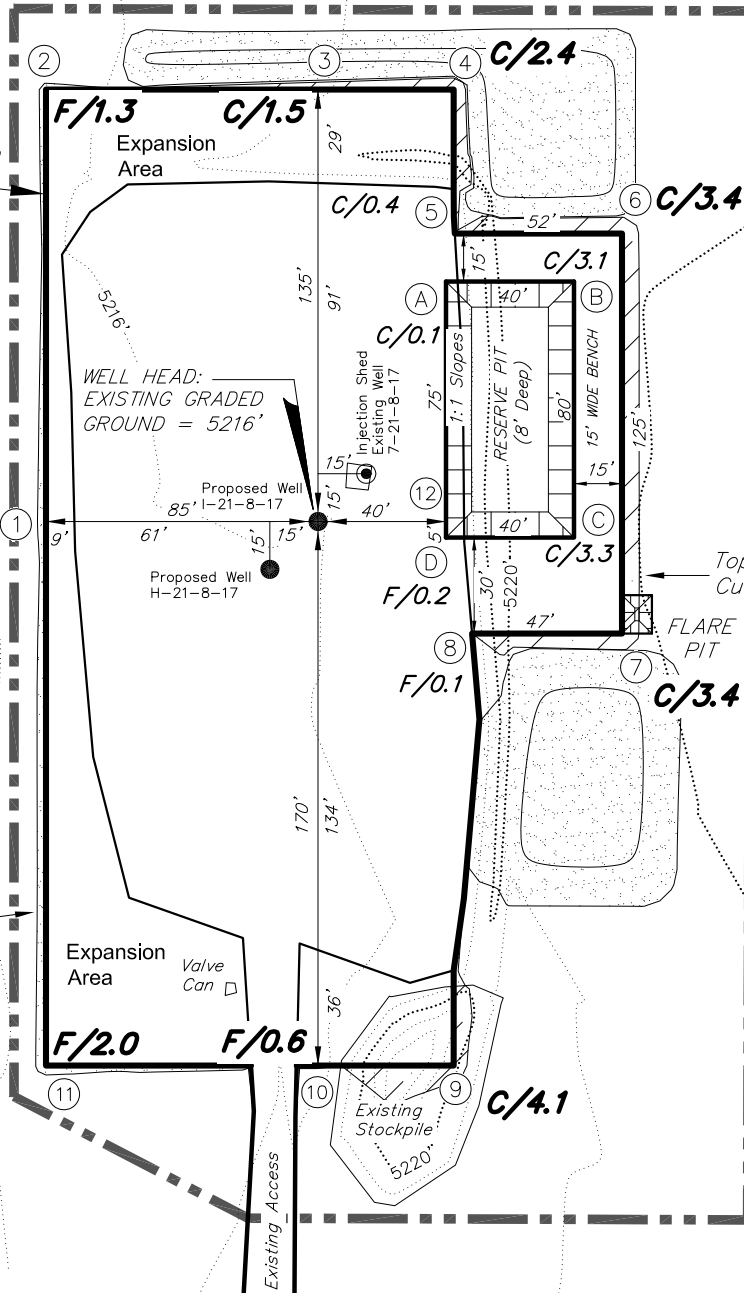
STA. 1+70

**F/1.6**

5212'

Toe of  
Fill Slope

STA. 0+00



**Note:**  
 Flare pit is to be  
 located a Minimum  
 of 100' from the  
 Proposed Well Head.

Top of  
Cut Slope

**EXCESS MATERIAL**  
 Approx. Dims. = 80'x65'x8'  
 Approx. Area = 4,820 Sq. Ft.  
 ±940 Cu. Yds.

**Note:**  
 Topsoil to be Stripped From All  
 New Construction Areas and  
 Proposed Stockpile Locations

**Berm Note:**  
 Construct 2' High Berm around  
 Perimeter of Pad, Except when  
 Cut Exceeds 2'. Blend new  
 Constructed Berm into Existing  
 Pad Berm where Required.

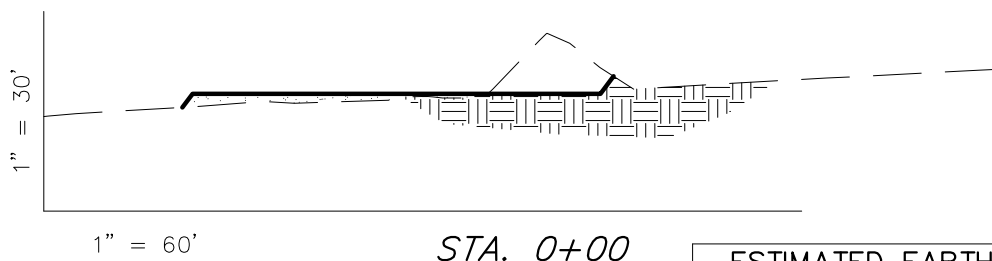
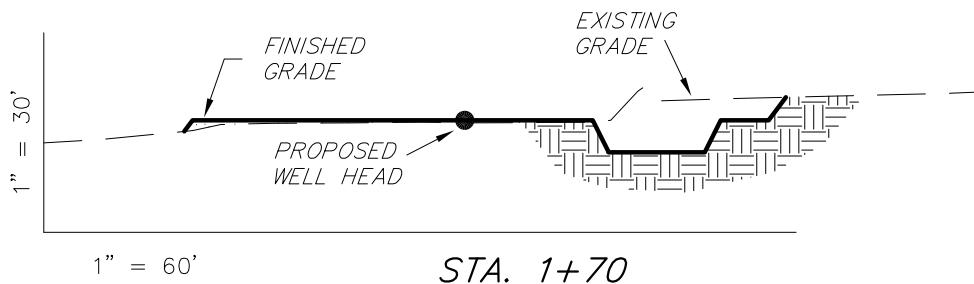
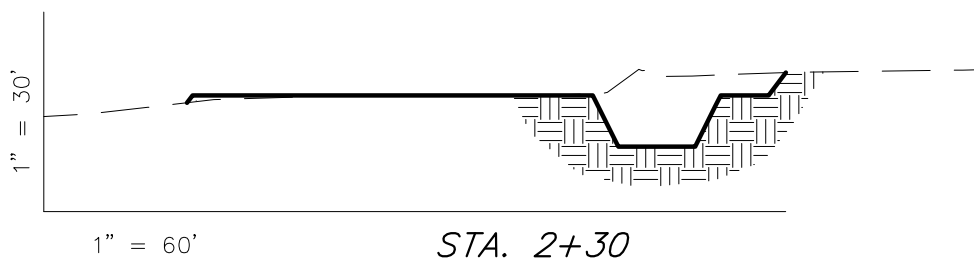
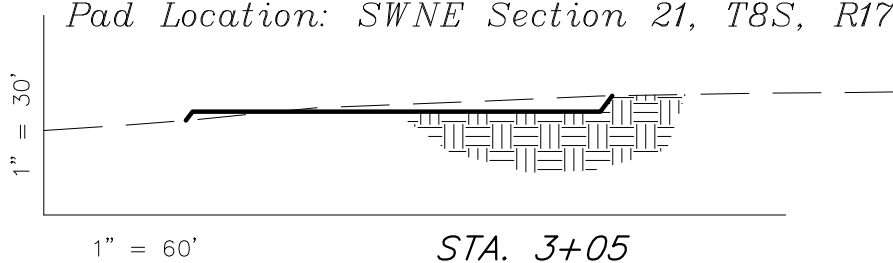
**NOTE:**

The topsoil & excess material areas are calculated as being mounds containing 1,450 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: C.S.	DATE SURVEYED: 11-30-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 12-03-12	V1
SCALE: 1" = 60'	REVISED:	

**Tri State** (435) 781-2501  
**Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**RECEIVED: January 10, 2013**

***NEWFIELD EXPLORATION COMPANY******CROSS SECTIONS******7-21-8-17 (Existing Well)******I-21-8-17 (Proposed Well)******H-21-8-17 (Proposed Well)****Pad Location: SWNE Section 21, T8S, R17E, S.L.B.&M.*

NOTE:  
UNLESS OTHERWISE  
NOTED ALL CUT/FILL  
SLOPES ARE AT 1.5:1

**ESTIMATED EARTHWORK QUANTITIES**  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	820	660	Topsoil is not included in Pad Cut	160
PIT	690	0		690
TOTALS	1,510	660	460	850

SURVEYED BY: C.S.	DATE SURVEYED: 11-30-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 12-03-12	V1
SCALE: 1" = 60'	REVISED:	

**Tri State**  
*Land Surveying, Inc.*  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

**RECEIVED:** January 10, 2013



***NEWFIELD EXPLORATION COMPANY******RECLAMATION LAYOUT******7-21-8-17 (Existing Well)******I-21-8-17 (Proposed Well)******H-21-8-17 (Proposed Well)******Pad Location: SWNE Section 21, T8S, R17E, S.L.B.&M.*****Notes:**

1. Reclaimed Area to Include Seeding of Approved Vegetation and Sufficient Storm Water Management System.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

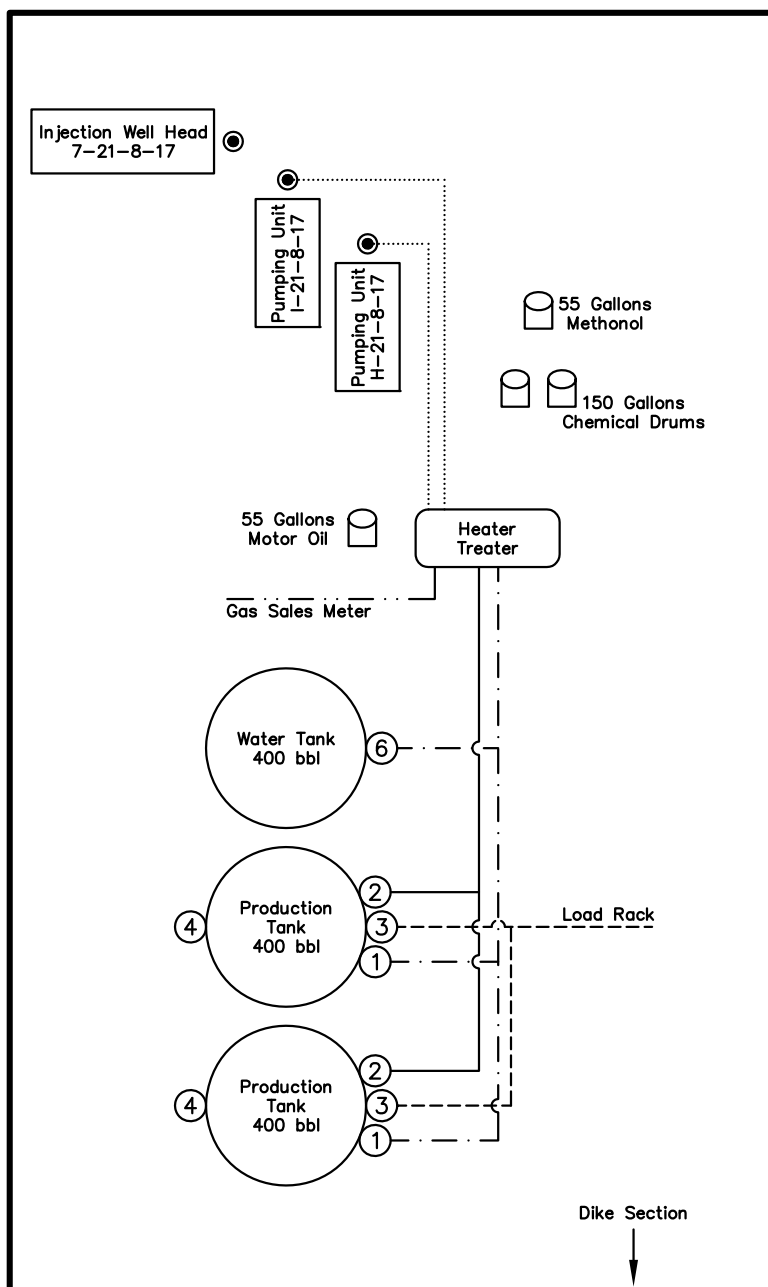
**DISTURBED AREA:**

TOTAL DISTURBED AREA = 1.96 ACRES  
 TOTAL RECLAIMED AREA = 1.37 ACRES  
 UNRECLAIMED AREA = 0.59 ACRES

SURVEYED BY: C.S.	DATE SURVEYED: 11-30-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 12-03-12	V1
SCALE: 1" = 60'	REVISED:	

**Tri State** (435) 781-2501  
*Land Surveying, Inc.*  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**RECEIVED:** January 10, 2013

**NEWFIELD EXPLORATION COMPANY****PROPOSED SITE FACILITY DIAGRAM****7-21-8-17 (Existing Well)****I-21-8-17 (Proposed Well) FEE MINERAL****H-21-8-17 (Proposed Well) UTU-76954***Pad Location: SWNE Section 21, T8S, R17E, S.L.B.&M.  
Duchesne County, Utah***Legend**

Emulsion Line .....  
 Load Rack - - - - -  
 Water Line - . - . -  
 Gas Sales - . . . . -  
 Oil Line - - - - -

NOT TO SCALE

SURVEYED BY: C.S.	DATE SURVEYED: 11-30-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 12-03-12	V1
SCALE: NONE	REVISED:	

**Tri State** (435) 781-2501  
**Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: January 10, 2013



*VIA ELECTRONIC DELIVERY*

**Newfield Exploration Company**

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

January 14, 2013

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**Roberts I-21-8-17**  
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R17E Section 21: SWNE (UTU-76954)  
1996' FNL 2128' FEL

At Target: T8S-R17E Section 21: NENE (UTU-76954)  
766' FNL 1126' FEL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 1/11/2013, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4121 or by email at [lburget@newfield.com](mailto:lburget@newfield.com). Your consideration in this matter is greatly appreciated.

Sincerely,  
Newfield Production Company

A handwritten signature in cursive script that reads "Leslie Burget".

Leslie Burget  
Land Associate

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input type="checkbox"/>				
<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER Roberts I-21-8-17				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="radio"/> REENTER P&A WELL <input type="radio"/> DEEPEN WELL <input type="radio"/>						3. FIELD OR WILDCAT MONUMENT BUTTE				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) FEE			11. MINERAL OWNERSHIP FEDERAL <input type="radio"/> INDIAN <input type="radio"/> STATE <input type="radio"/> FEE <input checked="" type="radio"/>			12. SURFACE OWNERSHIP FEDERAL <input type="radio"/> INDIAN <input type="radio"/> STATE <input type="radio"/> FEE <input checked="" type="radio"/>				
13. NAME OF SURFACE OWNER (If box 12 = 'fee') Wade J. Price						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (If box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="radio"/> (Submit Commingling Application) NO <input checked="" type="radio"/>			19. SLANT VERTICAL <input type="radio"/> DIRECTIONAL <input checked="" type="radio"/> HORIZONTAL <input type="radio"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		1996 FNL 2128 FEL		SWNE	21	8.0 S	17.0 E	S		
Top of Uppermost Producing Zone		1298 FNL 2074 FEL		NWNE	21	8.0 S	17.0 E	S		
At Total Depth		766 FNL 1126 FEL		NENE	21	8.0 S	17.0 E	S		
21. COUNTY DUCHESTER			22. DISTANCE TO NEAREST LEASE LINE (Feet) 766			23. NUMBER OF ACRES IN DRILLING UNIT 20				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1453			26. PROPOSED DEPTH MD: 6790 TVD: 6570				
27. ELEVATION - GROUND LEVEL 5216			28. BOND NUMBER B001834			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 6790	15.5	J-55 LT&C	8.3	Premium Lite High Strength	331	3.43	11.0
							50/50 Poz	363	1.24	14.4
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Mandia Crozier				TITLE Regulatory Tech			PHONE 435 646-4825			
SIGNATURE				DATE			EMAIL mcrozier@newfield.com			
API NUMBER ASSIGNED				APPROVAL						

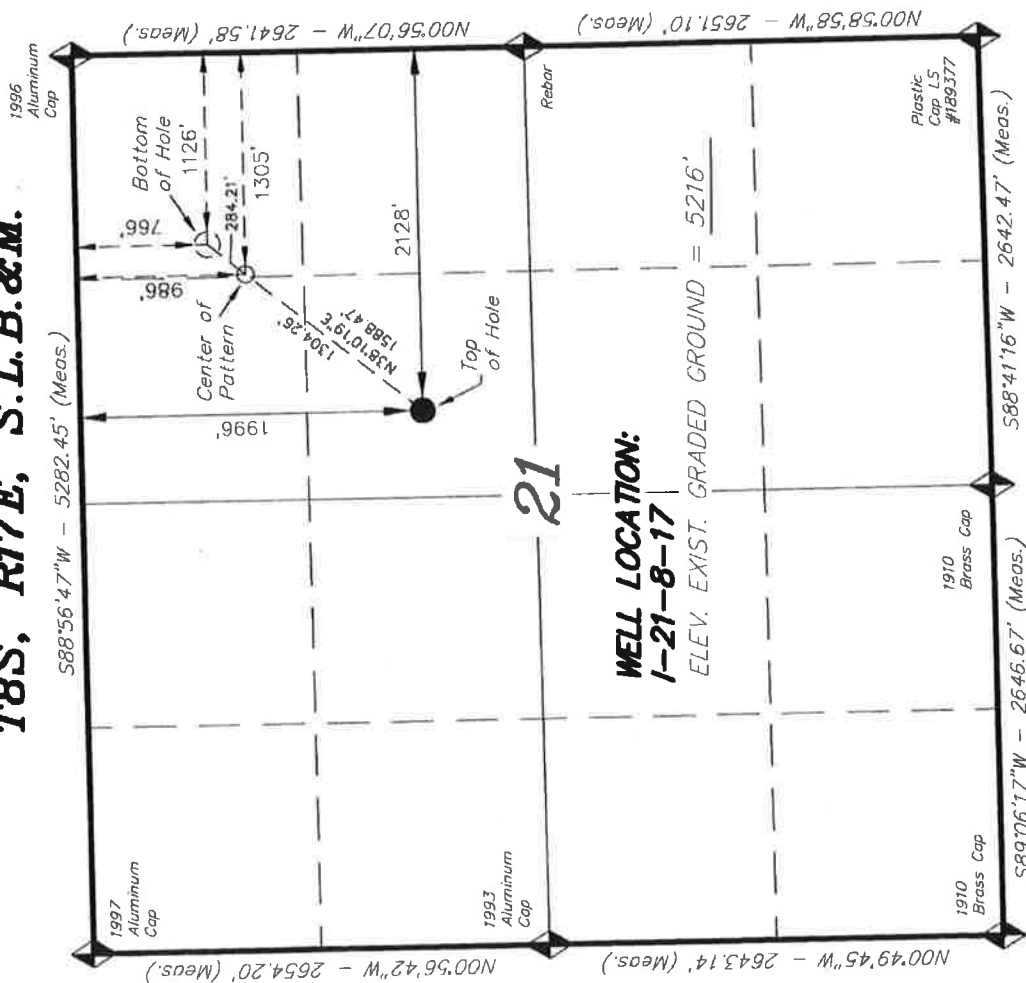
Received: January 10, 2013

# T8S, R17E, S.L.B.&M.

## NEWFIELD EXPLORATION COMPANY

WELL LOCATION, I-21-8-17, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 21, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, I-21-8-17, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 21, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



**WELL LOCATION:**  
**I-21-8-17**  
ELEV. EXIST. GRADED GROUND = 5216'

**21**

Rebar



### NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE SURVEY WAS PREPARED FROM FIELD NOTES AND SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

12-03-12

STACY W.

REGISTERED LAND SURVEYOR

STATE OF UTAH

#189377

## TRI STATE LAND SURVEYING & CONSULTING

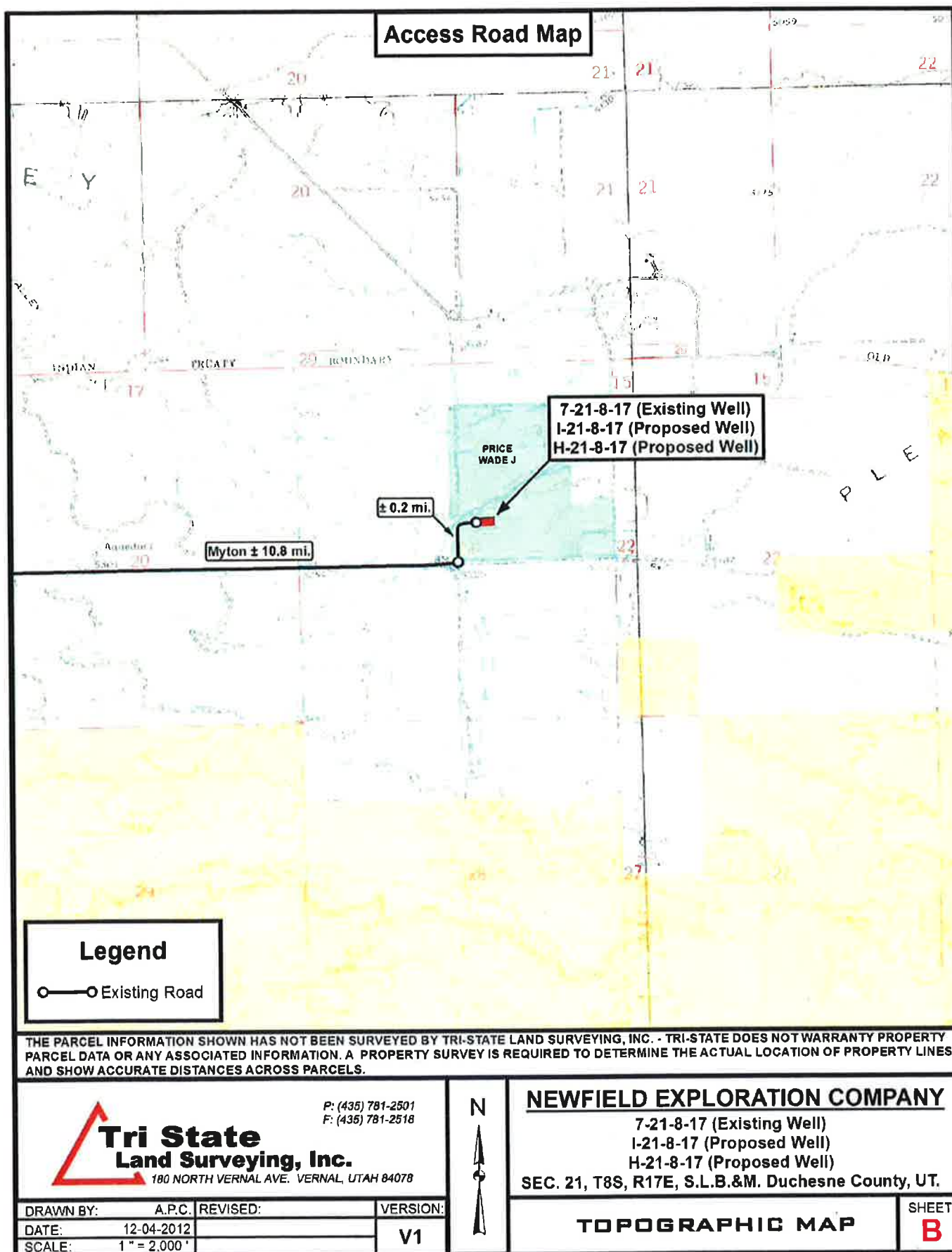
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 11-30-12	SURVEYED BY: C.S.	VERSION:  
DATE DRAWN: 12-03-12	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	

NAD 83 (CENTER OF PATTERN)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°06'28.96"	LATITUDE = 40°06'18.96"
LONGITUDE = 110°00'24.01"	LONGITUDE = 110°00'34.60"
NAD 27 (CENTER OF PATTERN)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°06'29.10"	LATITUDE = 40°06'19.10"
LONGITUDE = 110°00'21.47"	LONGITUDE = 110°00'32.06"
NAD 83 (BOTTOM HOLE LOCATION)	NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°06'31.14"	LATITUDE = 40°06'31.14"
LONGITUDE = 110°00'21.70"	LONGITUDE = 110°00'21.70"

SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

January 22, 2013

### Memorandum

To: Assistant Field Office Manager Minerals,  
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Greater Monument  
Butte Unit, Duchesne and Uintah Counties,  
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2013 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51960	GMBU L-15-9-17	Sec 15 T09S R17E 2011 FSL 1967 FEL BHL Sec 15 T09S R17E 2440 FNL 1067 FEL
43-013-51961	GMBU M-15-9-17	Sec 15 T09S R17E 1996 FSL 1983 FEL BHL Sec 15 T09S R17E 2514 FNL 2593 FWL
43-013-51962	GMBU J-21-8-17	Sec 22 T08S R17E 2118 FNL 0637 FWL BHL Sec 21 T08S R17E 1125 FNL 0034 FEL
43-013-51963	GMBU O-22-8-17	Sec 22 T08S R17E 2132 FNL 0621 FWL BHL Sec 22 T08S R17E 2424 FSL 0074 FWL
43-013-51964	GMBU B-22-9-17	Sec 15 T09S R17E 0659 FSL 1945 FEL BHL Sec 22 T09S R17E 0254 FNL 0913 FEL
43-013-51965	GMBU S-15-9-17	Sec 15 T09S R17E 0667 FSL 1964 FEL BHL Sec 15 T09S R17E 1384 FSL 1094 FEL
43-013-51966	GMBU L-21-8-17	Sec 21 T08S R17E 1772 FSL 0464 FEL BHL Sec 21 T08S R17E 2471 FNL 1481 FEL
43-013-51967	GMBU B-21-9-17	Sec 16 T09S R17E 0661 FSL 0665 FEL BHL Sec 21 T09S R17E 0238 FNL 1427 FEL

RECEIVED: February 20, 2013

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51968	GMBU G-14-9-17	Sec 14 T09S R17E 2044 FNL 0472 FWL BHL Sec 14 T09S R17E 1082 FNL 1408 FWL
43-013-51969	GMBU J-15-9-17	Sec 14 T09S R17E 2065 FNL 0471 FWL BHL Sec 15 T09S R17E 0961 FNL 0161 FEL
43-013-51970	GMBU H-21-8-17	Sec 21 T08S R17E 1982 FNL 2143 FEL BHL Sec 21 T08S R17E 1253 FNL 2483 FWL
43-013-51971	GMBU L-20-8-17	Sec 20 T08S R17E 1766 FNL 0459 FEL BHL Sec 20 T08S R17E 2392 FSL 1551 FEL
43-013-51972	GMBU O-21-8-17	Sec 20 T08S R17E 1751 FNL 0443 FEL BHL Sec 21 T08S R17E 2475 FSL 0166 FWL
43-013-51973	Roberts I-21-8-17	Sec 21 T08S R17E 1996 FNL 2128 FEL BHL Sec 21 T08S R17E 0766 FNL 1126 FEL

This office has no objection to permitting the wells at this time.

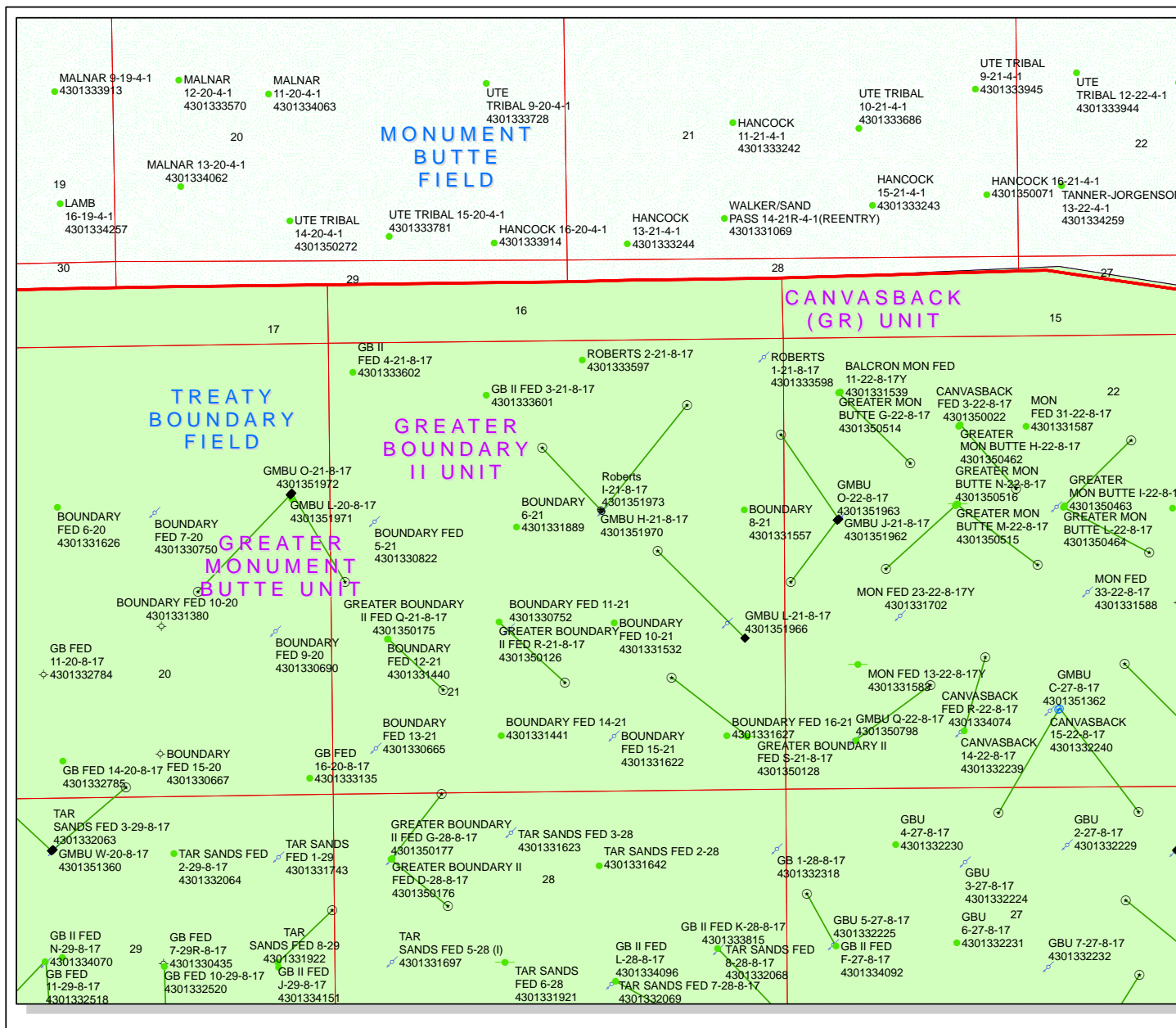
Michael L.  
Coulthard

Digitally signed by Michael L. Coulthard  
DN: cn=Michael L. Coulthard, o=Bureau of Land  
Management, ou=Branch of Minerals,  
email=Michael\_Coulthard@blm.gov, c=US  
Date: 2013.01.22 15:52:33 -07'00'

bcc: File - Greater Monument Butte Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

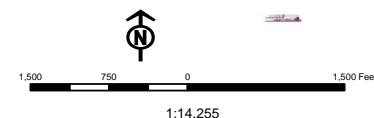
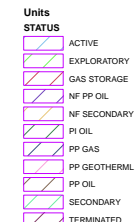
MCoulthard:mc:1-22-13

RECEIVED: February 20, 2013



**API Number: 4301351973**  
**Well Name: Roberts I-21-8-17**  
**Township T08.0S Range R17.0E Section 21**  
**Meridian: SLBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason



**AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY AND  
SURFACE USE AGREEMENT**

Travis R. Lindsey personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

1. My name is Travis R. Lindsey. I am a Landman for Newfield Production Company, whose address is 1001 17<sup>th</sup> Street, Suite 2000, Denver, CO 80202 ("Newfield").
2. Newfield is the Operator of the proposed I-21-8-17 well with a surface location to be positioned in the SWNE of Section 21, Township 8 South, Range 17 East, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Wade J. Price, whose address is RR 3 Box 3654, Myton, UT 84502 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon a Surface Use Agreement dated November 3, 1997 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.



Travis R. Lindsey

ACKNOWLEDGEMENT

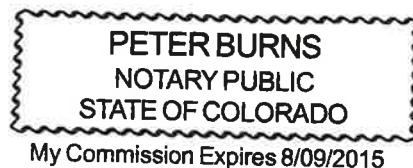
STATE OF COLORADO           §  
  §  
COUNTY OF DENVER         §

Before me, a Notary Public, in and for the State, on this 3<sup>rd</sup> day of July, 2013, personally appeared Travis R. Lindsey, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.



NOTARY PUBLIC

My Commission Expires:



Well Name	NEWFIELD PRODUCTION COMPANY Roberts I-21-8-17 43013519730000			
String	SURF	PROD		
Casing Size(in)	8.625	5.500		
Setting Depth (TVD)	600	6570		
Previous Shoe Setting Depth (TVD)	0	600		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2920	8.5		

Calculations	SURF String	8.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	259		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	187	YES	air mist
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	127	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	127	NO	OK
Required Casing/BOPE Test Pressure=		600	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient	

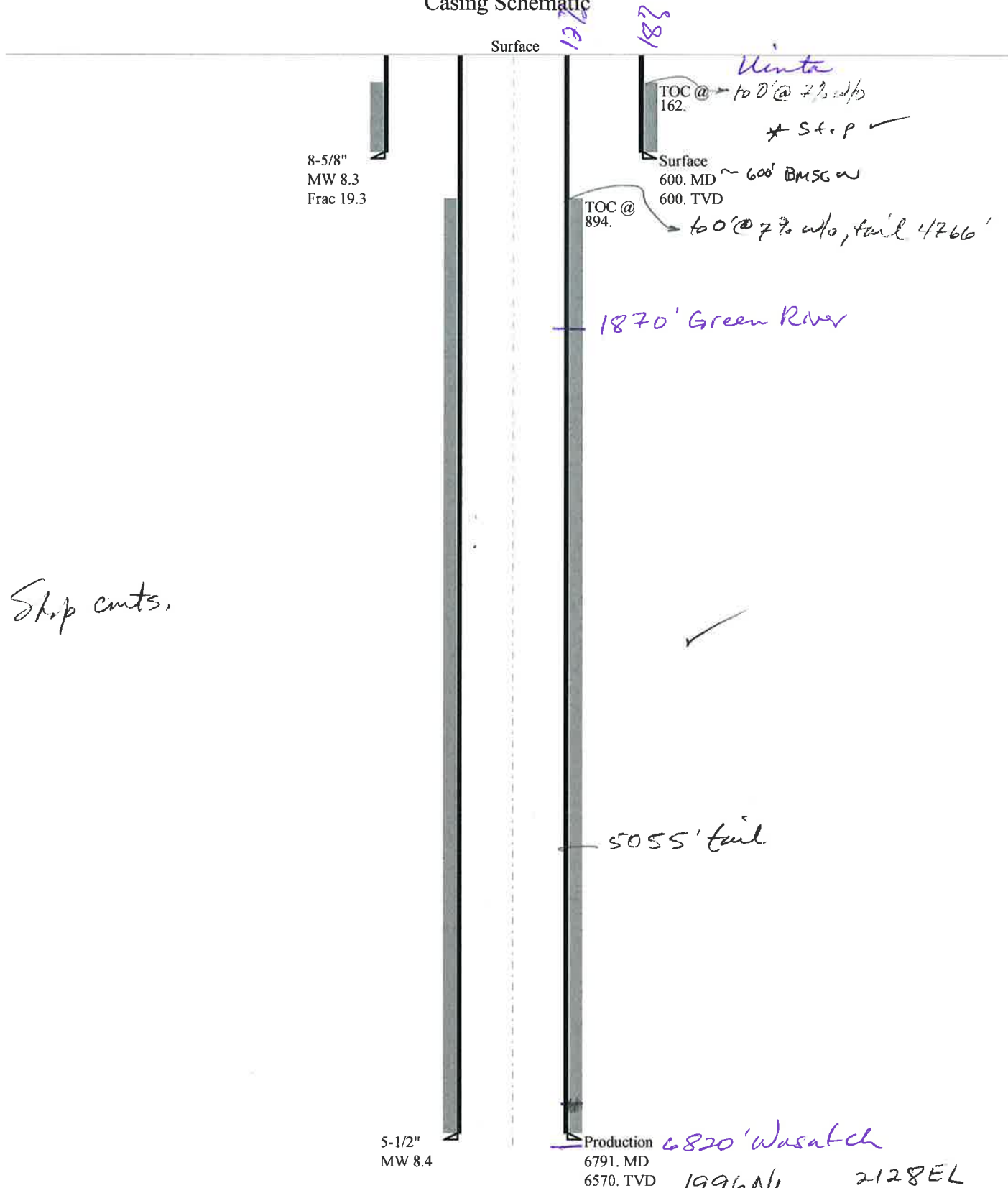
Calculations	PROD String	5.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	2870		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2082	NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1425	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1557	NO	OK
Required Casing/BOPE Test Pressure=		2000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		600	psi *Assumes 1psi/ft frac gradient	

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient	

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient	

# 43013519730000 Roberts I-21-8-17

## Casing Schematic



Stop cuts.

✓

Well name:	<b>43013519730000 Roberts I-21-8-17</b>	
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>	
String type:	Surface	Project ID: 43-013-51973
Location:	DUCHESNE COUNTY	

**Design parameters:****Collapse**

Mud weight: 8.300 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 82 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 162 ft

**Burst**

Max anticipated surface pressure: 528 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 600 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 525 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 6,570 ft  
Next mud weight: 8.400 ppg  
Next setting BHP: 2,867 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 600 ft  
Injection pressure: 600 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	600	8.625	24.00	J-55	ST&C	600	600	7.972	3089

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	259	1370	5.296	600	2950	4.92	14.4	244	16.94 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: September 6, 2013  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 600 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43013519730000 Roberts I-21-8-17</b>	
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>	
String type:	Production	Project ID: 43-013-51973
Location:	DUCHESNE COUNTY	

**Design parameters:****Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 166 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 894 ft

**Burst**

Max anticipated surface pressure: 1,422 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 2,867 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

**Directional well information:**

Kick-off point 600 ft  
Departure at shoe: 1589 ft  
Maximum dogleg: 1.5 °/100ft  
Inclination at shoe: 16.33 °

Tension is based on air weight.

Neutral point: 5,921 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6791	5.5	15.50	J-55	LT&C	6570	6791	4.825	23979

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2867	4040	1.409	2867	4810	1.68	101.8	217	2.13 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: July 31, 2013  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 6570 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

*Engineering responsibility for use of this design will be that of the purchaser.*

# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** Roberts I-21-8-17  
**API Number** 43013519730000      **APD No** 7476    **Field/Unit** MONUMENT BUTTE  
**Location: 1/4,1/4 SWNE    Sec 21   Tw 8.0S   Rng 17.0E   1996 FNL 2128 FEL**  
**GPS Coord (UTM)**      **Surface Owner** Wade J. Price

### **Participants**

Chris Jensen

### **Regional/Local Setting & Topography**

This an additional hole on an existing well pad. This well is a 20 acre spacing directional oil well. The host well is the Boundary 7-21. a little new disturbance will occur here. The pad will need to be squared up with minor berm repairs and previously reclaimed areas will be put back into service.

The location is in the Pleasant Valley area. The pad is accessed from a farmers irrigated field that currently holds cattle and is carved out of the northern section that is cultivated for row crops. A mapped stream that is heavily vegetated with riparian flora is found bounding the pad on 2 sides. The northern most edges are within 300 feet of this stream. Previous onsites have included conversations about fencing and cattle guards for the protection of landowners livestock. Landowner has asked that new disturbance encroach on the Northwest on lands that are fallow. Current staking has disturbance into productive fields

### **Surface Use Plan**

#### **Current Surface Use**

Existing Well Pad

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0	<b>Width 300   Length 400</b>	Offsite	UNTA

#### **Ancillary Facilities**

### **Waste Management Plan Adequate?**

### **Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

disturbed soils with no native vegetation

#### **Soil Type and Characteristics**

disturbed imported soils

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N**Drainage Diversion Required?** N**Berm Required?** Y**Erosion Sedimentation Control Required?** N**Paleo Survey Run?** N **Paleo Potential Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N**Reserve Pit**

Site-Specific Factors		Site Ranking
<b>Distance to Groundwater (feet)</b>	100 to 200	5
<b>Distance to Surface Water (feet)</b>		20
<b>Dist. Nearest Municipal Well (ft)</b>		20
<b>Distance to Other Wells (feet)</b>		20
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	10 to 20	5
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Unknown	10
	<b>Final Score</b>	95 1 Sensitivity Level

**Characteristics / Requirements**

A 40' x 80' x 8' deep reserve pit is planned in an area of cut on the northwest side of the location. A pit liner is required. Operator commonly uses a 16 mil liner with a felt underliner. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. A minimum freeboard of two feet shall be maintained at all times. Pit to be closed within one year after drilling activities are complete.

**Closed Loop Mud Required?** N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y**Other Observations / Comments**

Landowner has asked that new disturbance be restricted to fallow areas north west . Current staking has new disturbance in productive fields. NFX rep said this could happen.

Chris Jensen  
**Evaluator**

7/25/2013  
**Date / Time**

# Application for Permit to Drill

## Statement of Basis

### Utah Division of Oil, Gas and Mining

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner CBM</b>
7476	43013519730000	LOCKED	OW	P No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>	Wade J. Price
<b>Well Name</b>	Roberts I-21-8-17		<b>Unit</b>	GMBU (GRRV)
<b>Field</b>	MONUMENT BUTTE		<b>Type of Work</b>	DRILL
<b>Location</b>	SWNE 21 8S 17E S 1996 FNL 2128 FEL GPS Coord (UTM) 584418E 4439905N			

#### Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 600'. A search of Division of Water Rights records shows five water wells within a 10,000 foot radius of the center of section 21. Depth is not listed for any of these wells. The wells are owned by private individuals and are listed for use as stock watering, domestic and irrigation. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Surface casing should be extended to cover the estimated base of the moderately saline ground water.

Brad Hill  
APD Evaluator

8/7/2013  
Date / Time

#### Surface Statement of Basis

Location is proposed on an existing location. Two wells are being applied for permits. Access road enters the pad the same as previous. The landowner or its representative was not in attendance for the pre-site inspection as this is a existing pad.

The soil type and topography at present do not combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions although, there is a stream less than 300 feet north of location with live water.

Usual construction standards of the Operator appear to be adequate for the proposed purpose as submitted.

I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. The location was not previously surveyed for cultural and paleontological resources as the operator saw fit. I have advised the operator take all measures necessary to comply with ESA and MBTA and that actions insure no disturbance to species that may have not been seen during onsite visit.

The location should be bermed to prevent fluids from entering or leaving the confines of the pad. Fencing around the reserve pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) and subliner should be utilized in the reserve pit. Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.

Chris Jensen  
Onsite Evaluator

7/25/2013  
Date / Time

**Conditions of Approval / Application for Permit to Drill**

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	New disturbance restricted to fallow areas north and northwest
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/10/2013

API NO. ASSIGNED: 43013519730000

WELL NAME: Roberts I-21-8-17

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: SWNE 21 080S 170E

Permit Tech Review: ☒

SURFACE: 1996 FNL 2128 FEL

Engineering Review: ☒

BOTTOM: 0766 FNL 1126 FEL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.10521

LONGITUDE: -110.00952

UTM SURF EASTINGS: 584418.00

NORTHINGS: 4439905.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 4 - Fee

LEASE NUMBER: FEE

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE - B001834☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 437478☐ RDCC Review:☒ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

## LOCATION AND SITING:

☐ R649-2-3.

Unit: GMBU (GRRV)

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: Cause 213-11

Effective Date: 11/30/2009

Siting: Suspends General Siting

☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill  
8 - Cement to Surface -- 2 strings - hmadonald  
15 - Directional - dmason  
27 - Other - bhill

RECEIVED: September 25, 2013



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** Roberts I-21-8-17

**API Well Number:** 43013519730000

**Lease Number:** FEE

**Surface Owner:** FEE (PRIVATE)

**Approval Date:** 9/25/2013

### Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Cement volumes for the 8 5/8" and 5 1/2" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

### Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website  
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program  
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

**Approved By:**

A handwritten signature in black ink, appearing to read "J. Rogers", written over a faint horizontal line.

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> Roberts I-21-8-17
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013519730000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1915 FNL 2216 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 21 Township: 08.0S Range: 17.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>9/25/2014</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> <b>APD EXTENSION</b> OTHER: <input type="text"/>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield proposes to extend the Application for Permit to Drill this well.

**Approved by the**  
**September 15, 2014**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_

By: 

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 9/5/2014



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43013519730000**

**API:** 43013519730000

**Well Name:** Roberts I-21-8-17

**Location:** 1915 FNL 2216 FEL QTR SWNE SEC 21 TWP 080S RNG 170E MER S

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 9/25/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Signature:** Mandie Crozier

**Date:** 9/5/2014

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> Roberts I-21-8-17
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1915 FNL 2216 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 21 Township: 08.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013519730000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>9/25/2015</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> <b>APD EXTENSION</b>          OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Newfield proposes to extend the Application for Permit to Drill this well.		
<div style="color: red; font-weight: bold;">             Approved by the              September 15, 2015              Oil, Gas and Mining           </div> <div style="color: red; font-weight: bold;">             Date: _____              By:  </div>		
<b>NAME (PLEASE PRINT)</b> Mandie Crozier		<b>PHONE NUMBER</b> 435 646-4825
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Tech
<b>DATE</b> 9/14/2015		



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013519730000**

API: 43013519730000

Well Name: Roberts I-21-8-17

Location: 1915 FNL 2216 FEL QTR SWNE SEC 21 TWP 080S RNG 170E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 9/25/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

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- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Mandie Crozier

Date: 9/14/2015

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

September 29, 2016

Mandie Crozier  
Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

Re: APDs Rescinded for Newfield Production Company,  
Duchesne and Uintah County

Dear Ms. Crozier:

Enclosed find the list of APDs that is being rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded as of September 29, 2016.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason  
Environmental Scientist

cc: Well File  
Brad Hill, Technical Service Manager



43-013-51973 Roberts 1-21-8-17  
43-013-52188 Hancock 5-21-4-1W  
43-047-53771 Hancock 14-14-4-1W  
43-047-53772 Hancock 13-14-4-1W